

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	"6857873".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 08:52
L4	1	"6692251".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 10:09
L5	496	(light adj emitting adj diode) and (board near5 (coating or film)) and heat	US-PGPUB; USPAT	OR	ON	2006/07/24 10:10
L6	27	(light adj emitting adj diode) and (board near5 (coating or film)) near5 heat	US-PGPUB; USPAT	OR	ON	2006/07/24 10:12
L7	38	(light adj emitting adj diode) and (board near5 metal\$4 near5 (coating or film)) and heat	US-PGPUB; USPAT	OR	ON	2006/07/24 10:15
L8	9000	metal\$4 near5 (film or layer or coating) and heat and (light adj emitting adj diode)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:16
L9	614	metal\$4 near5 (film or layer or coating) near5 heat and (light adj emitting adj diode)	US-PGPUB; USPAT	OR	ON	2006/07/24 10:16
L10	128	metal\$4 near5 (film or layer or coating) near5 board and heat and (light adj emitting adj diode)	US-PGPUB; USPAT	OR	ON	2006/07/24 11:32
L11	1	"6331111".pn.	US-PGPUB; USPAT	OR	ON	2006/07/24 11:37
S1	4	("20020113244" "20020115037" "6077073" "6439888").PN.	US-PGPUB; USPAT	OR	ON	2006/07/21 09:41
S2	4	("6974234" "5775792" "6547423" "6819505").pn.	US-PGPUB; USPAT	OR	ON	2006/07/20 17:37
S3	4	("20020113244" "20020115037" "6077073" "6439888").PN.	US-PGPUB; USPAT	OR	ON	2006/07/21 09:41
S4	6	((GEORGE) near2 (PANAGOTACOS)).INV.	US-PGPUB; USPAT	OR	ON	2006/07/21 09:45
S5	36	((DAVID) near2 (PELKA)).INV.	US-PGPUB; USPAT	OR	ON	2006/07/21 09:46
S6	21	("4342908"   "5343330"   "5485317"   "5526190"   "5581241"   "5699201"   "5757557"   "5894195"   "6155699"   "6166860"   "6181476"   "6304693"   "6328456"   "6361190"   "6370288").PN. OR ("6560038").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 09:48
S7	30	("4770514"   "5235470"   "5485317").PN. OR ("5757557").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:08

## EAST Search History

S8	60	((ROLAND) near2 (WINSTON)).INV.	US-PGPUB; USPAT	OR	ON	2006/07/21 09:57
S9	1956	362/294.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:08
S10	261	362/547.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:08
S11	88	362/580.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:08
S12	39	362/567.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:08
S13	1882	362/800.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:08
S14	720	257/100.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 10:09
S15	4629	S9 S10 S11 S12 S13 S14	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:06
S16	49	("6229831" "6151342" "4296796" "6091494" "4255755" "4903162" "5218611" "5720548" "5852697" "6113285" "6217205" "6217205" "4279292" "4389662" "5373174" "5419276" "5526244" "5751013" "5847759" "5848083" "5878069" "5895225" "6090642" "6097742" "6133058" "6136626" "4270134" "4338560" "4459044" "4491683" "4573581" "4848646" "4856871" "4887189" "5025356" "5237486" "5381322" "5494753" "5533132" "5596228" "5703861" "5809053" "5845030" "5872881" "5953118" "6130444" "6129145" "6175114" "4307711" "4319259").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:09
S17	506	S15 and (light adj emitting adj diode) and (heat and thermal)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:10
S18	352	S17 and heat near5 (sink or dissipat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:10
S19	252	S18 and (lens or lightguide or light?guide)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:17

## EAST Search History

S20	18	("2215900"   "2254961"   "2254962"   "2469080"   "2908197"   "4466050"   "5485317"   "5757557"   "5813743"   "6274924"   "6527419"   "6547423"   "6560038").PN. OR ("6819506"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:13
S21	29	("1977689"   "2215900"   "2224178"   "2254961"   "2254962"   "2356654"   "2469080"   "2908197"   "4767172"   "4770514"   "5343330"   "5526190"   "5757557"   "5775792"   "5813743"   "6547423"   "6642667").PN. OR ("6819505").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:14
S22	121	("3875456"   "4211955"   "4298869"   "4377768"   "4450512"   "4580196"   "4646210"   "4733336"   "4807096"   "4882565"   "4929866"   "4947291"   "4992704"   "5008595"   "5083192"   "5136483"   "5143433"   "5255171"   "5303037"   "5325271"   "5371659"   "5384519"   "5477436"   "5497305"   "5699044").PN. OR ("5803579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:18
S23	96	("3712984"   "3868513"   "3970856"   "4185891"   "4186748"   "4298806"   "4450139"   "4935665"   "4936808"   "4999310"   "5029957"   "5115761"   "5162696"   "5233283"   "5242602"   "5265792"   "5278629"   "5283425"   "5312249"   "5316473"   "5373114"   "5420768"   "5471129"   "5521392"   "5535230"   "5617492"   "5634711"   "5660461"   "5664042"   "5698866"   "5707139"   "5711665"   "5747363").PN. OR ("6200134"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:21

## EAST Search History

S24	34	("4149086"   "4184196"   "4229658"   "4281366"   "4308120"   "4698730"   "4839566"   "4936776"   "5139495"   "5151520"   "5238744"   "5348552"   "5350834"   "5457611"   "5485317"   "5521392"   "5634711"   "5660461"   "5711665"   "5782553"   "5791898"   "5797740"   "5908294"   "5912470"   "5980295"   "6008264"   "6089740"   "6099520"   "6103203"   "6200134"   "6208788"   "6328456"   "6331111"   "6611110").PN. OR ("6824294"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:24
S25	6	("5339223"   "6069689"   "6154278"   "6595674").PN. OR ("6832849"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:33
S26	1	"6527411".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:33
S27	36	("1278026"   "1618425"   "4163883"   "4441783"   "4630177"   "4631642"   "4767172"   "4835666"   "4929866"   "4935665"   "5136483"   "5155666"   "5174649"   "5268823"   "5375043"   "5471371"   "5486984"   "5488545"   "5678914"   "5704709"   "5752760"   "5779341"   "5988842"   "6079854"   "6129448"   "6193383"   "6241358").PN. OR ("6527411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:34
S28	154	S17 not S18	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:35
S29	4	("6974234" "5775792" "6547423" "6819505").pn.	US-PGPUB; USPAT	OR	ON	2006/07/21 11:40
S30	43	(galli-robert).in.	US-PGPUB; USPAT	OR	ON	2006/07/21 11:42
S31	589	lumiLED	US-PGPUB; USPAT	OR	ON	2006/07/21 11:42
S32	414	lumiLED and heat	US-PGPUB; USPAT	OR	ON	2006/07/21 11:43
S33	0	("2003/0081419").URPN.	USPAT	OR	ON	2006/07/21 11:46
S34	1	"6871983".pn.	USPAT	OR	ON	2006/07/21 11:46

## EAST Search History

S35	17	("4439816"   "4461205"   "4769958"   "4937716"   "5205632"   "5313759"   "5331785"   "5526236"   "5687527"   "5794397"   "5865674"   "5902035"   "5934786"   "6024455"   "6033085"   "6149283"   "6414801").PN. OR ("6871983").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 11:47
S36	0	("2003/0096211").URPN.	USPAT	OR	ON	2006/07/21 14:04
S37	1	"6857873".pn.	USPAT	OR	ON	2006/07/21 14:04
S38	5	("20030036031"   "5030090"   "6159005"   "6419483"   "6611110").PN. OR ("6857873"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 14:14
S39	2	("6974234" "6819505").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 14:15
S40	29	("1977689"   "2215900"   "2224178"   "2254961"   "2254962"   "2356654"   "2469080"   "2908197"   "4767172"   "4770514"   "5343330"   "5526190"   "5757557"   "5775792"   "5813743"   "6547423"   "6642667").PN. OR ("6819505").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 14:15
S41	21	("3439157"   "4583151"   "4767172"   "5173810"   "5202950"   "5249104"   "5268823"   "5278545"   "5325271"   "5335158"   "5365412"   "5404869").PN. OR ("5775792").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 14:17

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S42	60	(US-20020115037-\$ or US-20020113244-\$ or US-20020135298-\$ or US-20030142500-\$ or US-20050122713-\$ or US-20050174779-\$ or US-20040029069-\$ or US-20040076921-\$ or US-20040252511-\$ or US-20050201100-\$ or US-20050117351-\$).did. or (US-6819505-\$ or US-6974234-\$ or US-6077073-\$ or US-6439888-\$ or US-5775792-\$ or US-6547423-\$ or US-6566824-\$ or US-5404869-\$ or US-5577493-\$ or US-5577492-\$ or US-5613769-\$ or US-5676453-\$ or US-6473554-\$ or US-6560038-\$ or US-5526190-\$ or US-5699201-\$ or US-5757557-\$ or US-5485317-\$ or US-4296796-\$ or US-6113285-\$ or US-6819506-\$ or US-4767172-\$ or US-6850095-\$ or US-6896381-\$ or US-4729076-\$ or US-5803579-\$). did. or (US-6653765-\$ or US-6830711-\$ or US-5707139-\$ or US-6824294-\$ or US-5457611-\$ or US-5634711-\$ or US-5791898-\$ or US-6208788-\$ or US-6926524-\$ or US-6981867-\$ or US-7066733-\$ or US-6832849-\$ or US-6964501-\$ or US-6902291-\$ or US-6527411-\$ or US-6541800-\$ or US-6871983-\$ or US-6414801-\$ or US-6857873-\$ or US-6814470-\$ or US-6903380-\$ or US-6942365-\$ or US-7053414-\$). did.	US-PGPUB; USPAT	OR	ON	2006/07/21 14:33
S43	47	S42 and (heat or thermal\$4)	US-PGPUB; USPAT	OR	ON	2006/07/21 14:54
S44	1	"6871983".pn.	US-PGPUB; USPAT	OR	ON	2006/07/21 16:19
S45	1	"6560038".pn.	US-PGPUB; USPAT	OR	ON	2006/07/21 16:19
S46	21	("4342908"   "5343330"   "5485317"   "5526190"   "5581241"   "5699201"   "5757557"   "5894195"   "6155699"   "6166860"   "6181476"   "6304693"   "6328456"   "6361190"   "6370288").PN. OR ("6560038").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 16:56

## EAST Search History

S47	8	S46 and (heat or thermal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 16:57
S48	18	("2215900"   "2254961"   "2254962"   "2469080"   "2908197"   "4466050"   "5485317"   "5757557"   "5813743"   "6274924"   "6527419"   "6547423"   "6560038").PN. OR ("6819506"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 16:58
S49	5	S48 and (heat or thermal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 16:58
S50	85	(Cao-densen).in.	US-PGPUB; USPAT	OR	ON	2006/07/21 17:08
S51	2	("6692251" "6200134").pn.	US-PGPUB; USPAT	OR	ON	2006/07/21 17:12
S52	1	"6331111".pn.	US-PGPUB; USPAT	OR	ON	2006/07/21 17:16
S53	1	"6692251".pn.	US-PGPUB; USPAT	OR	ON	2006/07/21 17:16
S54	1	"6200134".pn.	US-PGPUB; USPAT	OR	ON	2006/07/23 14:54
S55	1	"6692251".pn.	US-PGPUB; USPAT	OR	ON	2006/07/23 14:54